177588

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION V

SUBJECT: Split-Simple Comparative Analysis for Load in Drinking Water - NLT Industries, IL + ATSDR Study Drivid Crawns, Chief To: LSS Soturi, CLL (SD-10C)

Brad Bradley, Environmental Engineer

IL/IN Penadial Rasponse Branch

Office of Superfund

and reported sed of Pb results for the subject study, the contral legional Laboratory requested and received 67 of the samples from the Clip lat for compartions lead analyses on a split-sample basis. Approximately in 7 samples were retested by the Clipest states analyses for Po were provided you in a memo dated suno 2, 1992. This mans is a dinal report on the split-sample analyses. See attacked Table for comparation analyses. See attacked Table for comparation analyses.

An afrellont correspondence is obtained between the CRIESAT and the CLP let for 66 of the 67 aplitsamples for lead. It either the CLP on the CRIESAT results were used, no deference in date use would be noted.

A perture been of 0 to 5 ug/l is noted for the CRI versus the CLP let's lead results. Sample El the hursous, provides a 3 fold greater avalue at the CRI versus the CLP lat. Overall, we can have confidence in the CLP late. Overall, we can have confidence in the CLP late. Overall, we can have confidence in the CLP late accuracy of the CLP lates lead results.

इक्ट्रं

josa distribat ables also broads a hat, it the seld has been detroised ables also the the late, it there is a mineral. It feeld have a different of amounts has been amounts. The despersal lad another mology on allowed composition as the the the the late. In despersal composition and the man to late another and appeared the man to late another anoth Associated by Ecology of Equipment (242) of the people of 3. Two field duplicate note (E-507/508 & The first outload ond may all be the sample of The first outload ond may not be the same of the first outload out the duplication of the first outload for the duplications. Loud des sames = 16.7 mg/2 . Lood should be 16.8 mg/2.

Nother reported by a sound set of avolupes.

P. 38/3

Esology of Environment
L. Fabricok, ATSDR
F. Stalling, ATSDR
D. Man Ochl
S. Modrie, Chl.
A. Thalkan, Chl.—Attn:ESAT

6 Rage Attachments

780 5	
. Art t	•
- aily	•
in the) t
SAS 6864E - Congruison	

PKG -					(//)
. 9	SAMPLE	PREPO	ANALYZED	0 070	187 (ESAT
9	507	12-3-91	12-3-91	14.5	
9	508	12-3-91	12-3-91	•	3.63/50
	517	12-6-91	15-9-21		5.97
į	518	15-7-21	12-6-91	13.5 /1.0.	9.12
	521	12-6-91	12-6-91	n / =	74
ſη	543	12-7-91	12-7-91	8.7 ×	X X(9.7)
	544	12-7-91	12-7-91	ומ	7277
	548	12-7-91	12-7-91	7.1	7.51
-	55/	15-8-21	12-8-91	15.9	17.47
	553	12-8-61	12-8-91	1.18	77
	557	12-8-61	12-8-91	14 (8)	7 th (B)
81	2	12-13-91	12-13 (14)	1.0 8	77
	603	12-13-91	12-13 (12)	29.0	34.02
	625	12-13-91	12-13 (14)	3.9	6.73
7	629	12-13-91	12-13 (22)	8.0	14.61
	687	12-13-91	12-13 (200)	14 (8)	24 (8)
	11.7	12-13-91	12-13 (2=)	ומ	77
13	589	12-13-91	12-13 (3 24)	ומ	77
	701	12-13-91	12-13 (3 🛫)	3.4	3.39
	111	13-13-91	12-13 (3 🛫)	ו מ	77
21	721	12-13-91	12-13 (4=)	4.5	5.49
	197	12-13-91	12-13 (44)	ות	77
	202	13-13-91	12-13 (4st)	15.4	21.14
13	700	12-13-91	12-13 (54)	1 m (B)	2 u (B)
	808	12-13-91	12-13 (50)	95.5	111.6
りて	564	12-19-91	12-19 (14)	1.68	7.94
	570	15-16-61	12-19 (19)	4.7	10.01
	571	12-19-41	12-19 (14)	14	24
44	7.84	15-14-91	12-19(2=)	ר ל	77
	685	12-99-91	12-19 (202)	1.08	325
			5-28-92;	promy to	C. M. May (C)

	SA
	S 68
	CHE-(
0	3
	SAS 6864E-Companion &
0	er {
7	4-
7	in the
Q'	4
`	t R
0	f
	£.
	analysis Deta to CRL
•	~
•	44
_	0
	5
5,	

•

	37			40			33			38			17			29			34			28			23			አ	24	ን የ		C
9.2 4 4	416	8.87	880	871	843	842	829	826	821	819	378	458	851	750	740	734	786	782	773	. 729	727	726	665	663.	662	643	べた	618	609	SAMPLE		SHS 6864E-(
12-30-91	12-30-91	12-30-91	12-30-91	12-30-91	12-30-91	12-30-91	12-30-91	12-27-91	12-27-91	12-27-91	12-27-91	12-27-91	12-27-91	12-27-91	12-27-91	12-27-91	12-21-91	12-21-91	12-21-91	12-21-91	12-21-91	12-21-91	12:19-91	12-19-91	12-19-91	12-19-91	12-19-91	12-19-91	12-19-91	PREPO	(morium by
12-30 (3 2) 5-28-92;	12-30 (3 4)	12-30(200)	12-30 (2 2)	12-30 (2=)	12-30 (145)	12-30 (14)	12-30 (14)	12-27 (4*)	12-27 (4 5)	12-21 (426)	12-27 (3 24)	12-27 (32)	12-27 (37)	12-27 (14)	12-27 (14)	12-27 (14)	12-21 (2 =	12-21 (2 =)	12-21 (20)	12-21 (14)	12-21 (14)	12-21 (14)	12-19 (43)	12-19 (44)	12-19(474)	12-19 (3 %)	12-19(32)	12-19 (32)	12-19 (7=)	ANALYZED	720	of the of a
ough by S.M. May	7.6 ×		4.8	1.98	1.28	5.2	<i>1</i> u) U	1.58	7.4	1.18	12.9	17.0	14	10.0) u (8)	- F	(L)	٧, ٧	4.8	14	16.8 ×	14	57.20	23.3	_11.1	<i>/ u</i>	7.2	3.0	6 L P	Lead	alysis Deta to
¥ 71.18	(10.3)	, , , , , , , , , , , , , , , , , , ,	12.26	72	ンと	7.15	スス	24	とと	7. 95	24	16.98	18.84	ンと	11.72	24 (B)	アド	5.85	2.58	6.56	24	42.03 (46.7)	24	7.88	32.67	12.4	とな	7.4	5.31	CRL (ESA	d (21/pm) b	ORL

144			Free. + analy H20		ر مارونه
	SAMPLE	PREP'D_	ANALYZED		CRL(ES
	891	12-31-91	رکیم) ا۶-۱2	4.8	
				9.7	10.5
·	904	12-31-91	12:31_(1 ²)	2.8_	2.54
45	928	12-31-91	12-31 (2-4)	8.2	7.50
	929	12-31-91	12-31 (22)	7. <i>8</i> ′	6.98
	Sample rete	uned to ESA	Tat CRL not a	neluded on	list
28	703	/2-2/-9/	12-21 (1st)	6.6	10.45
Samp	ele values in	parentheses of	ere re-analysis. sults.	results by ES	SAT, at CRL,

.

To : J. Thakkar for Transmittal to D. Payne

From : J. Ganz Through D. Miller

TID : 0592-0617

Task : 2315-1104

Date : June 11, 1992

Re : Reanalysis of Samples from NL Industries

The summary of the split-sample drinking water Pb results provided to ESAT was accurate. Three of the samples were reanalyzed for Pb using GFAA. The results are summarized below; the raw data is attached.

<u>Sample</u>		Pb ESAT (ug/L)	Pb Columbia (ug/L)
900I07S28	(E-726)	46.7	16.8
900107829	(E-914)	10.3	7.6
900107540	(E-543)	7.0	8.7

Please contact me if further information is required.

	E 836 / 837	E 767/768	E 759/760	E778/779	E748/749	E 735/736_	E742/743	E724/725	E692/693	E658/659		E889/890	E-864/805		E710/711	E705/706	E 6.70/674	E 636/637	E601/602	E595/596	E517/518	E 556/560	E610/611	E571/572	E 531/532	E 522/523	E 540/541	E 505/506	E-507/508	Sample \$10
X- (OVER)	58 (E827). +		7.7 . I she # 32 would	3.7 1.78	1.3B 1.7B	1.04 1.04 tracking correction by CLP after E 738	1.5B 2.7	1.04 1.08	1.0 U 1.0 U	1.0 H 1.0 H	1.08 1.04	5.1 5.0	+ 2.2 That 2.0 agreed by g. Hidden	1.04 1.04	1.04	1.5B3,4	1.04 1.04 *12 right by & Hables	_ 2.21.18 12 wysely & Hiller	1.7B1.0L	1.0U 1.48	9.5 13.5	2.2 1.3.8	1.0U 1.0U	1.04 1.04	3.7 1.78	2.5	1.08 1.08	/_4_8)4.5	Load (mg/l)

· E848/849	1.3B	1.8B
E857/858	1-1 B	2.0
E870/87)	1.0 U	1.9 B
E881/882	3.2	2.2

5-29-92; pryd. by D.M. May

Field Dulphrates (cont.) DiPayne 6-2-92

•

.

.

•

.

.